



## **COMMONWEALTH of VIRGINIA**

### ***Department of Health*** ***DIVISION OF SHELLFISH SANITATION***

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#### **YEOCOMICO RIVER – Palmer and Dungan Coves Growing Area #007 – Special Study Northumberland County**

**Date:** 19 December 2005

**Survey Period:** December 13 – 14, 2005

**Total Number of Properties Surveyed:** 63

**Surveyed By:** D.R. Beuchelt

#### **SECTION A: GENERAL**

This survey extends from Palmer Point located in Bon Harbor Estates runs along state route 791 (Bon Harbor Road) to state route 624 (Lewisetta Road) down to state route 623 (Melrose Road), up route 623 to the end, and covers all territory within a boundary designated by the Division of Shellfish Sanitation.

The topography begins with an elevation of 2 – 5' at the shoreline of Palmer Cove and reaches a maximum of 25' on state route 623. This particular area consists of subdivisions (developed and in process of development), seasonal homes as well as full-time residencies and farm land. Drainage ditches (that relieve excessive storm water from fields, state routes, and other properties) are found throughout the survey area.

It appeared that many of the homes in this survey are summer homes/cottages. Most appeared closed for the winter. Some showed no signs of activity, as snow and ice were still on the entrance steps. One resident confirmed that many of his neighbors were seasonal visitors. He also exclaimed that Dungan Cove, on which he lives, rarely flushes well with the tides.

Meteorological data indicated that no precipitation fell during the survey period.

Found during the survey were one property classified as a No Facility, one property where a domestic pet had direct access to the watershed, three Potential Pollution properties. Although one private boat ramp was found, many of the properties in this survey had their own private dock/boathouse.

This area is frequented by waterfowl, mainly Canadian Geese, of which were present during this survey. On Dungan Cove the area was heavily populated by the geese. Also found were flocks of gulls, ducks, and loons. (Waterfowl have been known to elevate fecal coliform levels.) While surveying, residents remarked about the large numbers of geese present. Some areas showed resident geese that stay in the same vicinity for most of the year.

Copies of Bacteriological, Hydrographic and Shellfish Closure data are available at the area office for review. Shellfish closures can be viewed online by accessing the Division of Shellfish Sanitation site via the Virginia Department of Health website at <http://www.vdh.virginia.gov/OEHS/shellfish/>.

The report lists only those properties that have a sanitary deficiency or have other environmental significance. "***DIRECT***" indicates that the significant activity or deficiency has a direct impact on shellfish waters. Individual field forms with full information on properties listed in this report are on file in the Richmond office of the Division of Shellfish Sanitation and are available for reference until superseded by a subsequent survey of the area. Data in the report is also made available to local health departments and other agencies to address items that may be out of compliance with their regulatory programs.

## **SECTION B: SEWAGE POLLUTION SOURCES**

### **SEWAGE TREATMENT FACILITIES**

-None-

### **ON-SITE DEFICIENCIES**

1. ***DIRECT*** – NO FACILITIES – Location: in Bon Harbor Estates, Lottsburg 22511. Dwelling- 12 x 34' pre-built shed, light brown with brown shutters. No Contact. Electricity ran to the shed by a wire which ran above ground level through the woods out to an electric pole. A Passport Potty 8L was stationed outside of the shed. Inside, sitting on a sill, was a bottle of shampoo. Sanitary Notice written 12/14/05 and will be issued after contact is made with the Northumberland Building Inspector to obtain a mailing address. Tax Map# 3-B(1) - 41.

### **POTENTIAL POLLUTION**

3. Location: 281 Sandpiper Circle, Lottsburg 22511. Dwelling – 1 story brick with white trim and brown shingles. No Contact. A grate housing a 4-inch PVC pipe was found on the front lawn. Appears to be a drain for storm water. Exit drain unfound.
5. Location: 2251 Lewissetta Rd., Lottsburg 22511. Dwelling – 1 story cinderblock with brown shingles. Lewissetta Seafood plant. Closed. No Contact. Premises surrounded by debris, crab pots, and other accessories associated with oystering and crabbing,
6. Location: 1216 Melrose Rd. Lottsburg 22511. Dwelling – 1 ½ brick with brown shingles and green shutters. No Contact. Area in front yard is covered with a wooden pallet. Lid on well curbing was ajar. No signs of odor or effluent. A repeat visit will be made.

## **SECTION C: NON-SEWAGE WASTE SITES**

### **INDUSTRIAL WASTES**

-None-

### **SOLID WASTE DUMPSITES**

-None-

## **SECTION D: BOATING ACTIVITY**

### **MARINAS**

-None-

### **OTHER PLACES WHERE BOATS ARE MOORED**

-None-

### UNDER SURVEILLANCE

2. Location: Located on Sandpiper Circle, adjacent to 281 Sandpiper Circle, Lottsburg 22511. Boat Ramp for use by residents of Yeocomico Estates.

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

4. ***DIRECT***- Location: 570 Dungan Cove Lane, Lottsburg 22511. Dwelling – 1 ½ beige with brown shingles and black shutters. 4 persons. Present at time of survey was one dog. Dog's house and pen are located on a ravine which empties into the Dungan Cove at  $\pm$  75 ft. Dog was running loose at time of visit.

## SUMMARY

**AREA #007 – Special Study  
YEOCOMICO RIVER – Palmer and Dungan Coves  
19 December 2005**

### SECTION B: SEWAGE POLLUTION SOURCES

**1. SEWAGE TREATMENT FACILITIES**

0 – DIRECT – None  
0 – INDIRECT – None  
0 – B.1. TOTAL

**2. ON-SITE SEWAGE DEFICIENCIES**

Correction of deficiencies in this section is the responsibility of the local health department.

0 – CONTRIBUTES POLLUTION – DIRECT – None  
0 – CONTRIBUTES POLLUTION – INDIRECT – None  
0 – CP – (Kitchen or Laundry Wastes), DIRECT – None  
0 – CP – (Kitchen or Laundry Wastes), INDIRECT – None  
1 – NO FACILITIES, DIRECT – # 1  
0 – NO FACILITIES, INDIRECT – None  
1 – B.2. TOTAL

**3. POTENTIAL POLLUTION**

Periodic surveillance of these properties will be maintained to determine any status change.

3 – POTENTIAL POLLUTION -# 3, 5, 6

### SECTION C: NON-SEWAGE WASTE SITES

**1. INDUSTRIAL WASTE SITES**

0 – DIRECT – None  
0 – INDIRECT – None  
0 – C.1. TOTAL

**2. SOLID WASTE SITES**

0 – DIRECT – None  
0 – INDIRECT – None  
0 – C.2. TOTAL

### SECTION D: BOATING ACTIVITY

0 – MARINAS – None  
0 – OTHER PLACES WHERE BOATS ARE MOORED – None  
1 – UNDER SURVEILLANCE - # 2  
1 – D. TOTAL

### SECTION E: CONTRIBUTES ANIMAL POLLUTION

1 – DIRECT - # 4  
0 – INDIRECT – None  
1 – E. TOTAL

